

Recombinant Human CNDP1 Protein

Cat. No. CNDP1-788H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human CNDP1 protein without tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	507
Description	This gene encodes a member of the M20 metalloprotease family. The encoded protein is specifically expressed in the brain, is a homodimeric dipeptidase which was identified as human carnosinase. This gene contains trinucleotide (CTG) repeat length polymorphism in the coding region.
Form	Lyophilized
Molecular Mass	54.7 kDa
AA Sequence	MDPKLGRMAASLLAVLLLLLLERGMFSSPSPPPALLEKVFQYIDLHQDEFVQTLKEWV AIESDSVQPVPRFRQELFRMMAVAADTLQRLGARVASVDMGPQQLPDGQSLPIPII LAELGSDPTKGTVCYFGHLDVQPADRGDGWLTDOPYVLTEVDGKLYGRGATDNKGP VLAWINAVSAFRALEQDLPVNIKFIEGMEEAGSVALEELVEKEKDRFFSGVDYIVISD NLWISQRKPAITYGTRGNSYFMVEVKCRDQDFHSGTFGGILHEPMADLVALLGSLVD SSGHILVPGIYDEVVPLTEEEINTYKAIHLDLEEYRNSSRVEKFLFDTKEEILMHLWRY PSLSIHGIEGAFDEPGTKVIPGRVIGKFSIRLVPHMNVSAVEKQVTRHLEDVFSKRN SSNMVVSMTLGLHPWIANIDDTQYLAAKRAIRTVFGTEPDMIRDGSTIPIAKMFQEIV

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	HKSVVLIPLGAVDDGEHSQNEKINRWNYIEGTKLFAAFFLEMAQLH
Purity	> 98%
Applications	WB; ELISA; FACS; FC
Stability	This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.
Storage	At -20 centigrade.
Concentration	1 mg/mL
Storage Buffer	PBS (pH 7.4-7.5). Sterile-filtered colorless solution.
Reconstitution	Reconstitute in sterile distilled H2O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.
GENE INFORMATION	
Gene Name	CNDP1 carnosine dipeptidase 1 (metallopeptidase M20 family) [Homo sapiens (human)]
Official Symbol	CNDP1
Synonyms	CNDP1; carnosine dipeptidase 1 (metallopeptidase M20 family); beta-Ala-His dipeptidase; carnosinase 1; CN1; CPGL2; glutamate carboxypeptidase like protein 2; HsT2308; MGC10825; serum carnosinase; CNDP dipeptidase 1; glutamate

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carboxypeptidase-like protein 2; MGC102737; MGC142072;

Gene ID [84735](#)

mRNA Refseq [NM_032649](#)

Protein Refseq [NP_116038](#)

MIM [609064](#)

UniProt ID [Q96KN2](#)

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